Abiotic factors influence and control biotic organisms living in a particular biome by sunlight, air, soil, rocks, and temp. These aboitic factors affect biotic factors; one example of this is rocks. They provide shelter where small biotic organisms can live. Sunlight affects biotic organisms because plants need sunlight to grow and then consumers eat it to stay alive. Air Impacts biotic organisms because only some organisms can like at high altitudes, like the mountain goat. Air also provides oxygen to most biotic organisms. Lastly temperature influences biotic organisms because not every organism can leave in extreme temperature, and they must be able to adapt to the environment, such as a polar bear in the arctic.

Examples of human impact on abiotic factors in a particular ecosystem that can affect the biotic organism’s success within that ecosystem are pollution, mining, deforestation. Pollution affects the ecosystem by humans dumping chemicals into the ocean or water. Witch in effect the fish gets high levels of toxin and then gets eaten by humans or birds which affects them. In that example the abiotic factor is the water. Mining affects the ecosystem by humans destroying a habitat above land or below land. Last deforestation affects the ecosystem by humans cutting down trees which makes loss of habitat for species, contributes to global warming, erosion of soil, and finally less oxygen.